**Data Structures and Algorithms**

**Lab 10**

**Submitted To:**

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**Submitted By:**

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**In Lab:**

**Task 1:**

***Your task is to complete the following functions.***

***1. Node deletion***

***2. Node search***

***3. Pre-Order and Post-Order printing***

**Program:** Code for above stated functions is as follows:



***Node deletion***



***Node search***



***Pre-Order and Post-Order printing***

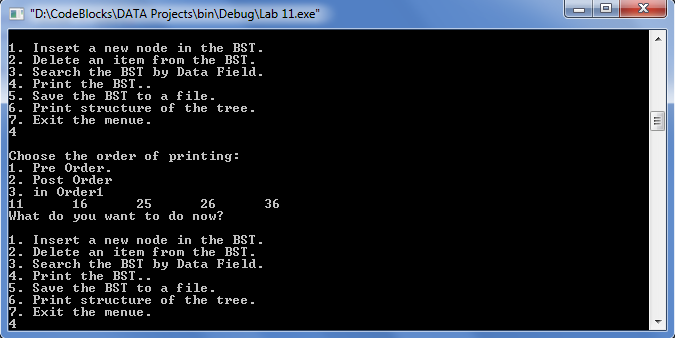
**Output:**

****

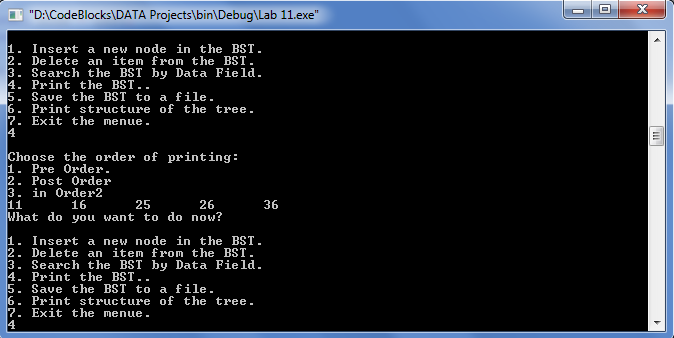
***Node deletion***



***Node search***



***Pre-Order***



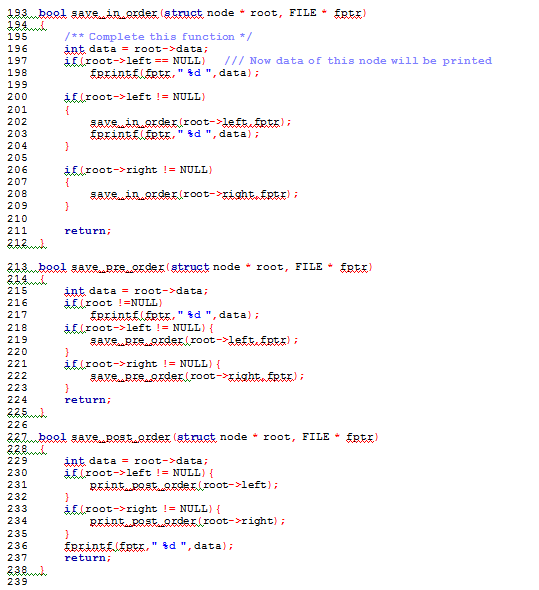
***Post-Order***

**Post Lab:**

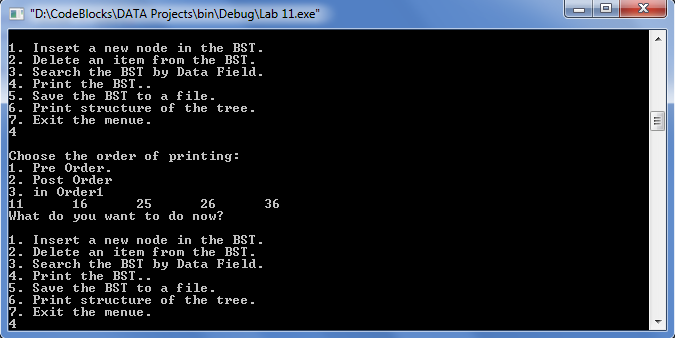
**Task 1:**

***Save the Tree data to a file (In-Order, Pre-Order and Post-Order).***

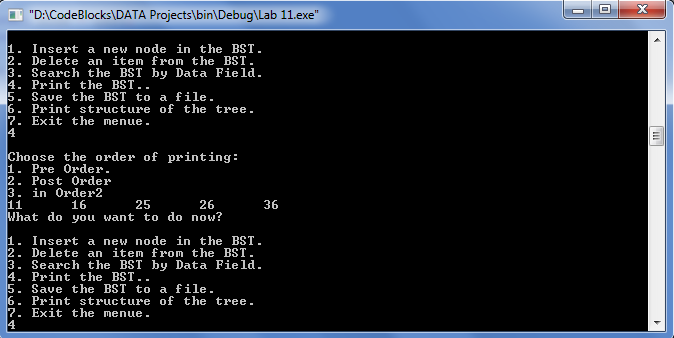
**Program:** Code is as follows:



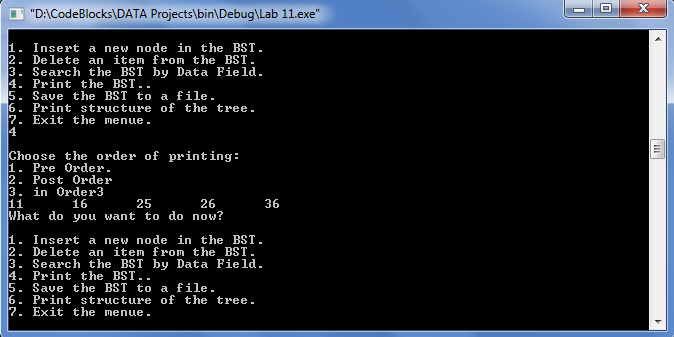
**Output:**



***Pre-Order***



***Post-Order***

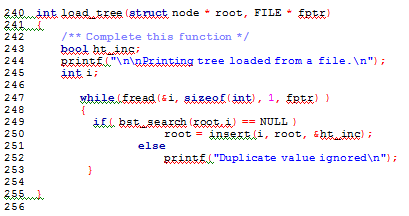


***In-Order***

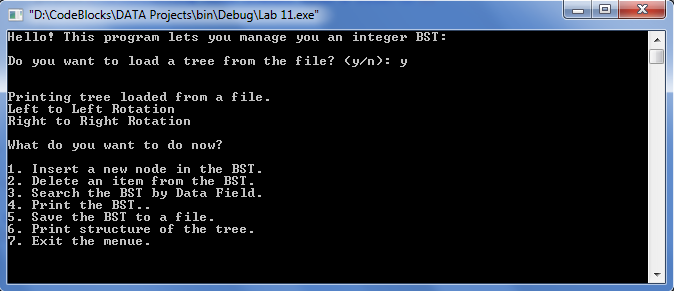
**Task 2:**

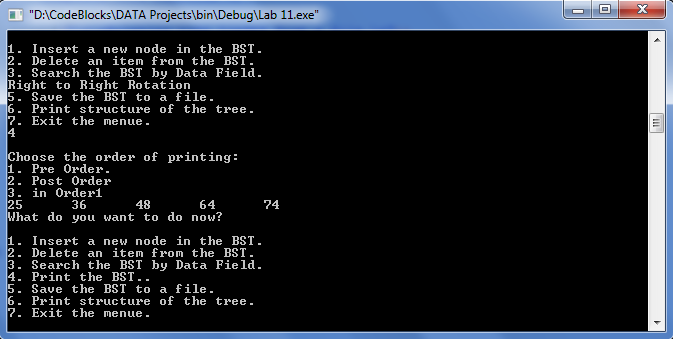
***Load tree from a file containing numbers.***

**Program:** Code is as follows:



**Output:**





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**THE END**